

Candidate Name	Centre Number	Candidate Number

WELSH JOINT EDUCATION COMMITTEE
General Certificate of Secondary Education



CYD-BWYLLGOR ADDYSG CYMRU
Tystysgrif Gyffredinol Addysg Uwchradd

143/02

DESIGN AND TECHNOLOGY

PAPER 2

FOCUS AREA: TEXTILES TECHNOLOGY

(Foundation Tier – Grades G to C)

P.M. TUESDAY, 5 June 2007

(1½ hours)

	Leave Blank
Question 1	
Question 2	
Question 3	
Question 4	
Question 5	
TOTAL MARK	

ADDITIONAL MATERIALS

In addition to this examination paper you will need coloured pencils.

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

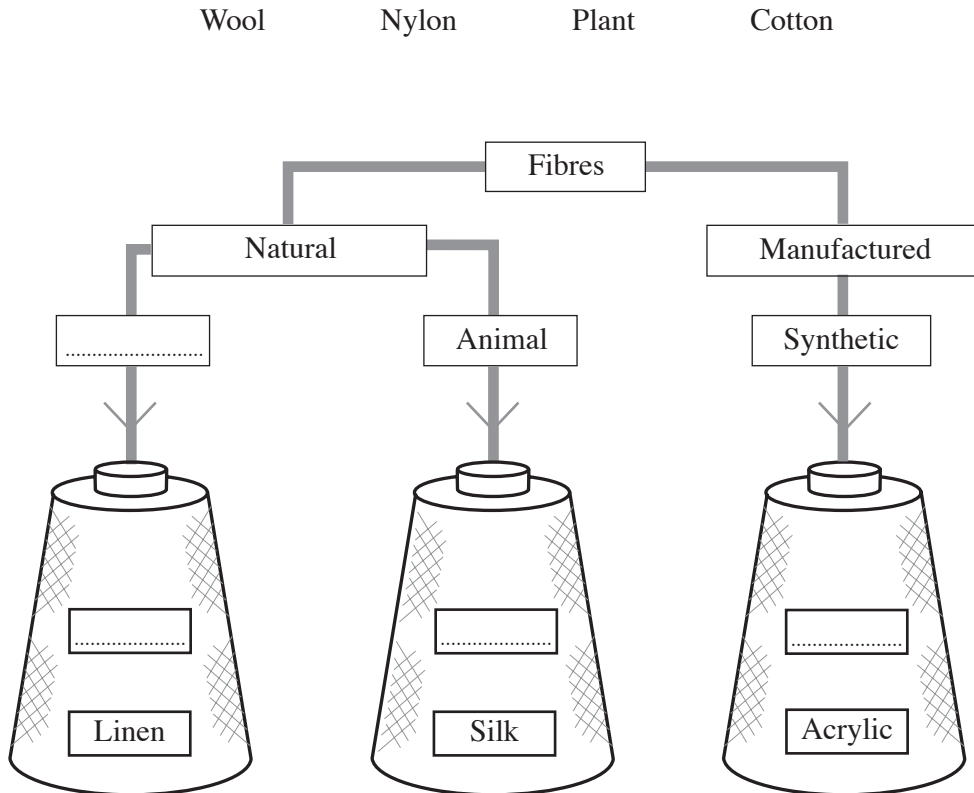
The number of marks is given in brackets at the end of each question or part-question.

No certificate will be awarded to a candidate detected in any unfair practice during the examination.

Answer **all** questions in the spaces provided.

1. (a) Place **each** of the fibres from the list below under the correct source.

[4]



- (b) Tick (✓) which **two** of the following statements are correct.

[2]

- Lycra does not stretch.
- Fibres can be twisted together to make a yarn.
- Silk is flammable.
- Mohair fibres grow on animals.

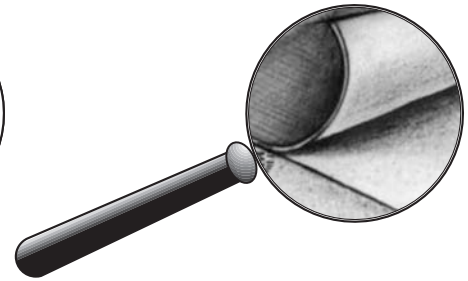
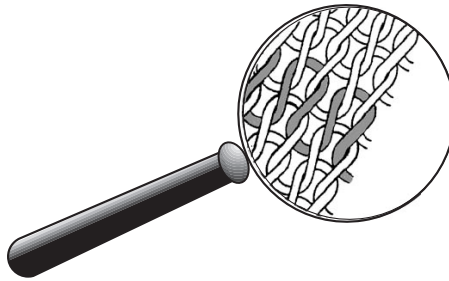
(c) The three diagrams below show different methods of making materials. From the list given, **choose** the correct name for **each** method. [3]

Knitting

Laminating

Bonding

Weaving



Method 1

Method 2

Method 3

(d) The material used to make a ski jacket, like the one shown below, needs to have good insulation and low absorption properties.



Using notes and/or sketches, **describe** a simple test that you could use to compare the insulation properties of materials being considered for the ski jacket. [5]

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(e) **Describe one** design feature on a ski jacket that could help to improve safety for a skier. [2]

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2. (a) Using the list of colours given below, **answer** the questions that follow.

GREEN PURPLE YELLOW BROWN

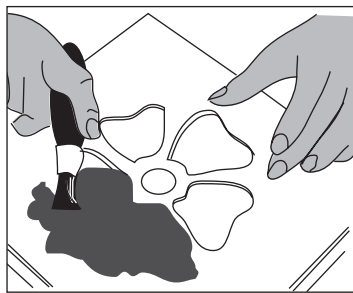
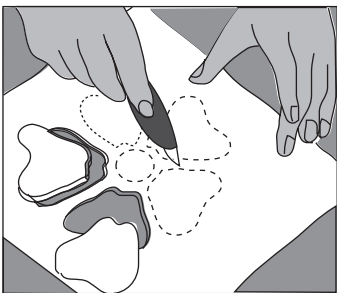
(i) **State** the primary colour in the list. [1]

(ii) **State** the **two** secondary colours in the list. [2]

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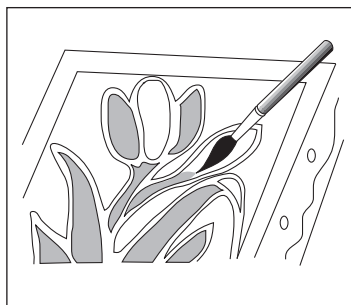
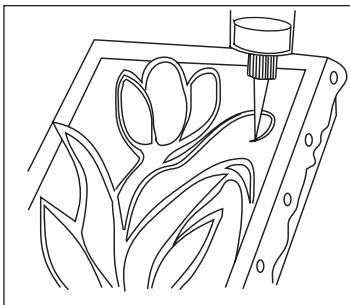
(b) The pictures below show some different ways of putting a pattern onto textile materials. **Name** each method. [4]

I



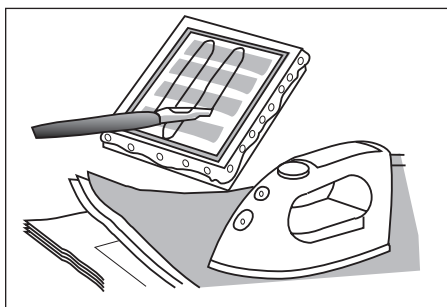
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II



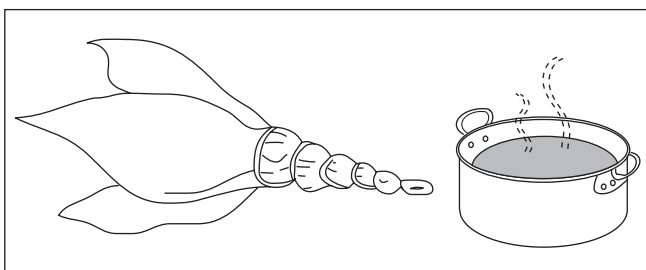
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III



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IV



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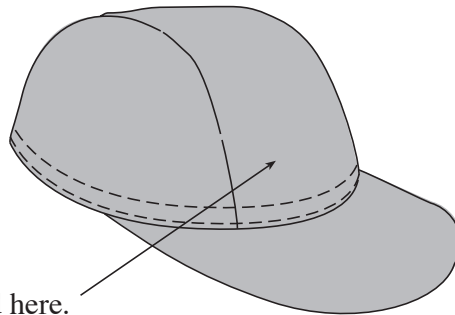
- (c) **Complete** the table below to **describe** the main stages for carrying out **one** of the methods you have named in part (b). [5]

Method chosen

Stage	Description
1
2
3
4
5

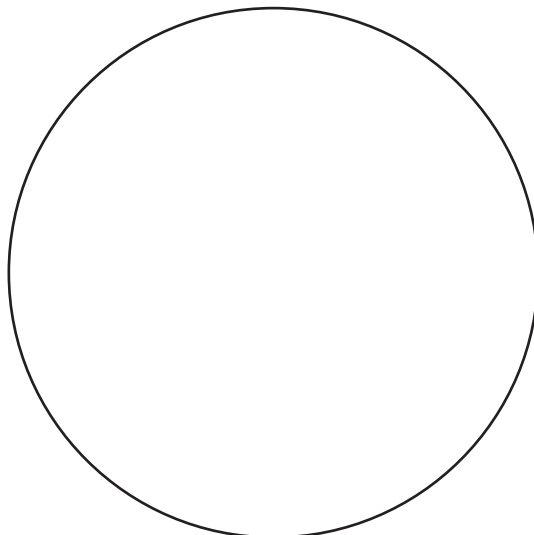
- (d) A sketch of a baseball cap to be worn at a sporting event is shown below.

A logo is to be added to the baseball cap using appliqué or embroidery. **Design** a suitable **sports logo** which can be applied to the cap. Add notes to explain your idea. [5]



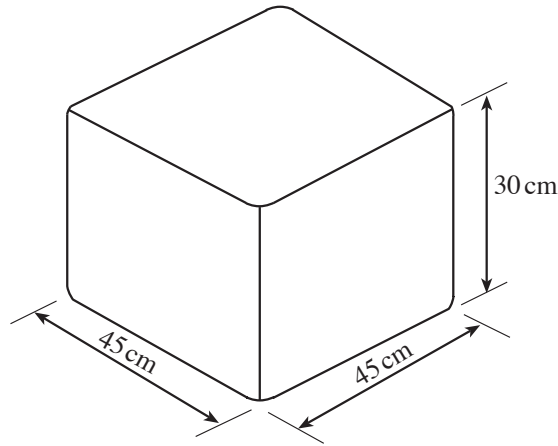
The logo is to be placed here.

Draw your idea in the circle below.

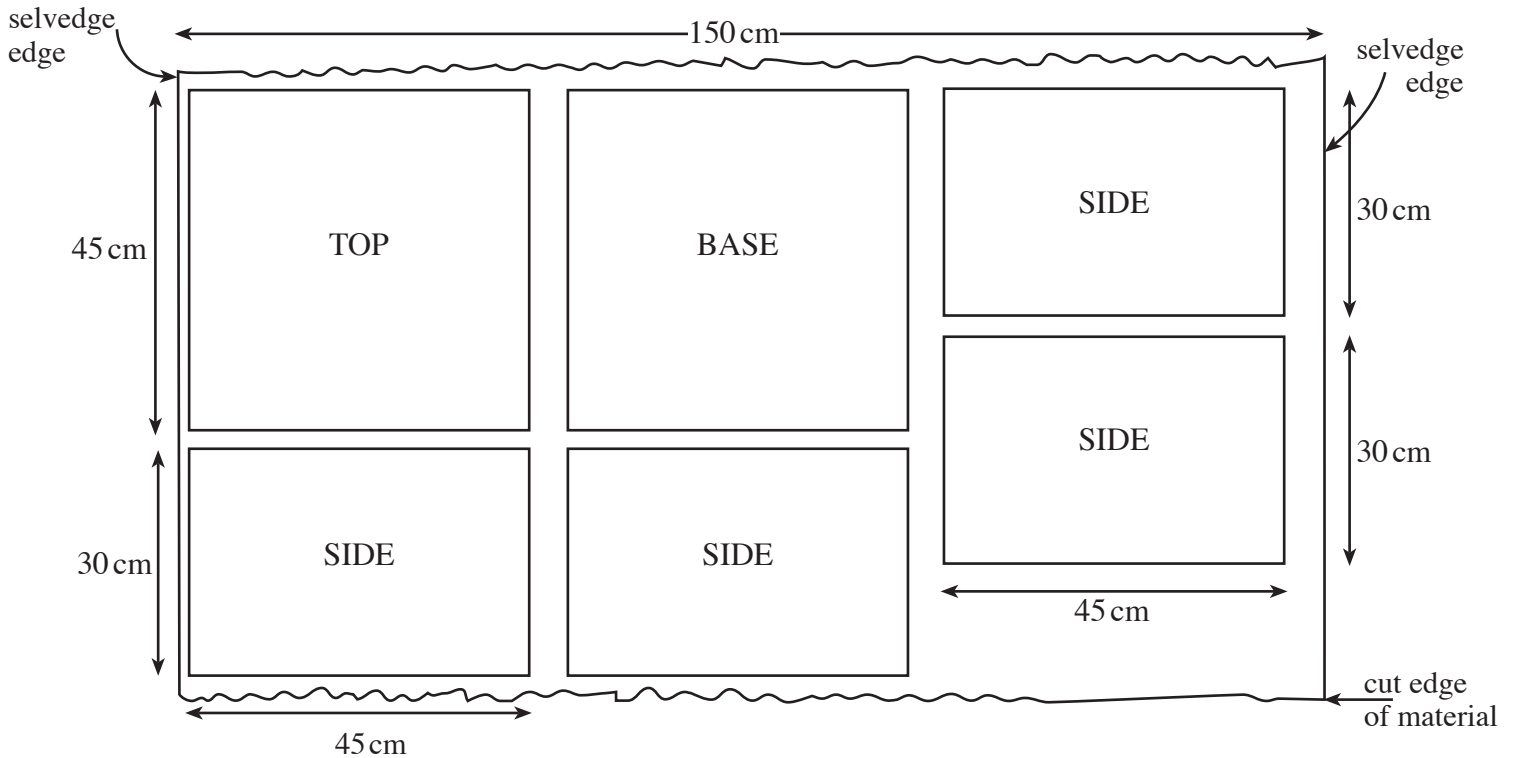


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3. The sketch below shows a simple idea for a floor cushion. It is 45 cm × 45 cm × 30 cm.



(a) The diagram below shows a length of material which is 150 cm wide. Tailor's chalk has been used to mark out the four sides, the top and the base ready for cutting out.



(i) **State** the length of material needed to make the floor cushion. [1]

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(ii) The material costs £12.00 per metre length. **State** the price you would have to pay for the length of material you have stated in (a)(i). Show your calculations. [2]

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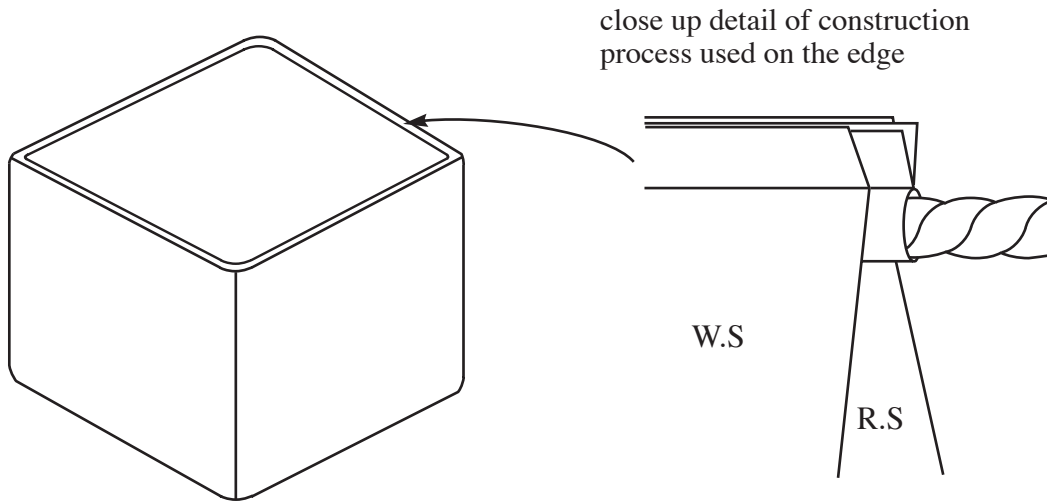
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(iii) The cushion is to be made from cotton corduroy. **Describe one** important point to remember when joining the upright sides together to make the cushion. [3]

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(b) Details of the process used to finish the top edge of the floor cushion are shown below.



(i) **Name** this construction process. [1]

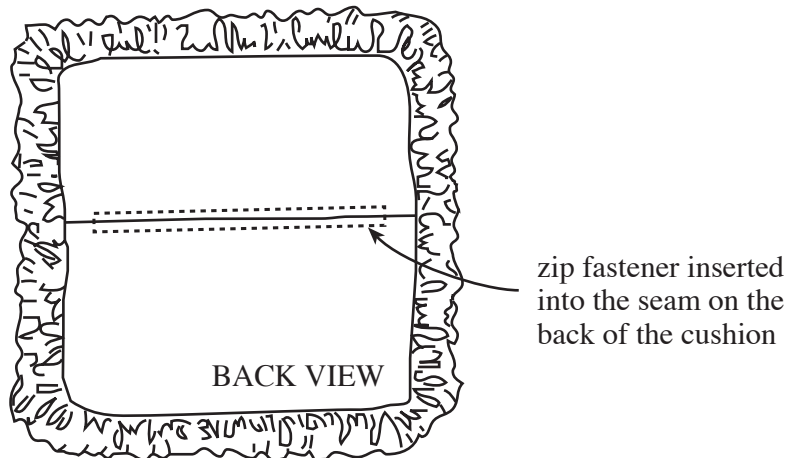
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(ii) **Give two** reasons why the designer has chosen this process. [2]

Reason 1:

Reason 2:

(c) A different cushion is sketched below. The back view shows a zip fastener which allows the cover to be removed for washing.



- (i) **Draw and describe** a different method of opening which adds a decorative feature to the cushion. [6]

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- (ii) The label shown below is often found on soft furnishings for sale. **Explain** what this label means to the customer. [2]

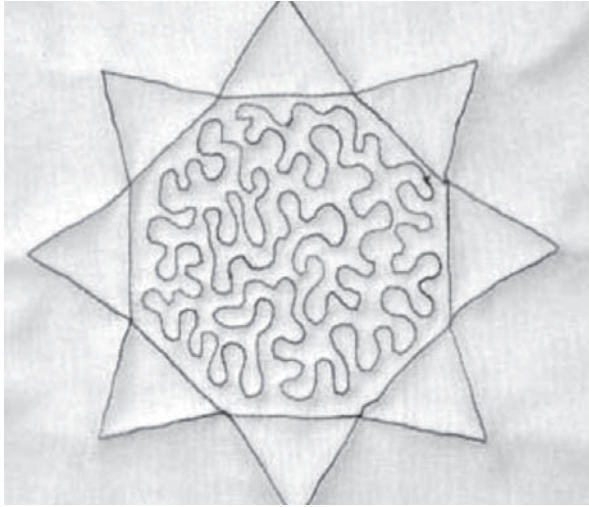


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- (iii) **Name** the decorative process shown below which is being applied to the front of the cushion. [1]



Process

- (iv) **Describe one** quality check that should be made when this process is being carried out. [2]

Quality check:

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4. A moodboard is shown below.



(a) (i) **State two** pieces of resource material used in this moodboard. [2]

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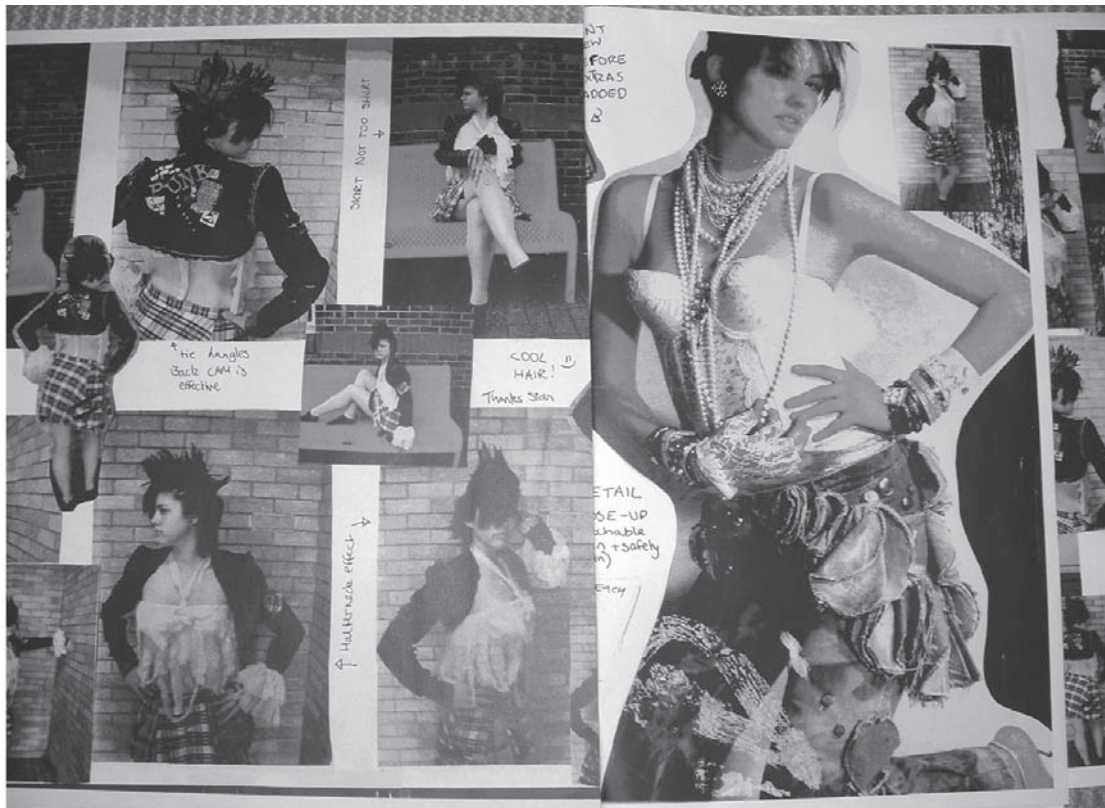
(ii) **Explain** how a moodboard like this one will help a fashion designer. [2]

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(b) The picture below shows an image of street fashion.



(i) **Explain** what you understand by the term *street fashion*. [2]

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(ii) *Haute Couture* is another sector of the fashion market. **Explain** what you understand by the term *Haute Couture*. [2]

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(c) **Complete** the missing words to show what CIM stands for. [2]

C Integrated M

(d) (i) Symbols are printed on to commercial paper patterns. Place a tick (✓) in the correct column to show when **each** symbol is helpful. [4]

	Symbol	Use in Laying Out	Use in Construction
1.			
2.			
3.			
4.			

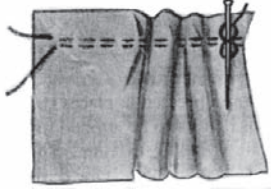
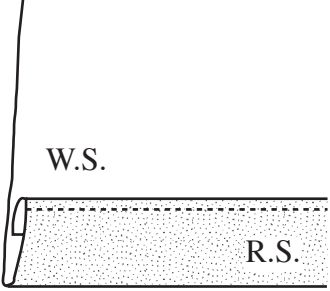
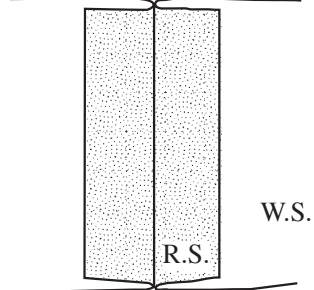
(ii) Explain exactly how the symbol shown below is helpful. [2]



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(e) Different construction processes are shown below. For **each** one, **identify** the name of the process and **explain** where you would use it. [6]

PROCESS	NAME	USE
	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
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5. Skate boarding is a popular activity. **Design** a two-piece co-ordinated outfit that reflects a skate boarding theme.

(a) **Sketch** your designs for a two-piece co-ordinated outfit using the silhouettes provided on the opposite page.

Your design must:

- be suitable for both males and females;
- reflect the skate boarding theme;
- show labelling of **four** accurate style details;
- have a co-ordinated colour scheme;
- be made of suitable comfortable and durable materials.

Marks will be awarded for:

- (i) good graphical communication of the front and back views; [6]
- (ii) clear labelling to show:
 - the names of **two** specific suitable materials; [2]
 - **four** specific style details; [4]
- (iii) a creative interpretation of the skate boarding theme; [5]
- (iv) a co-ordinated colour scheme. [4]

(b) **Explain** why your design is suitable for both male and female skate boarders. [2]

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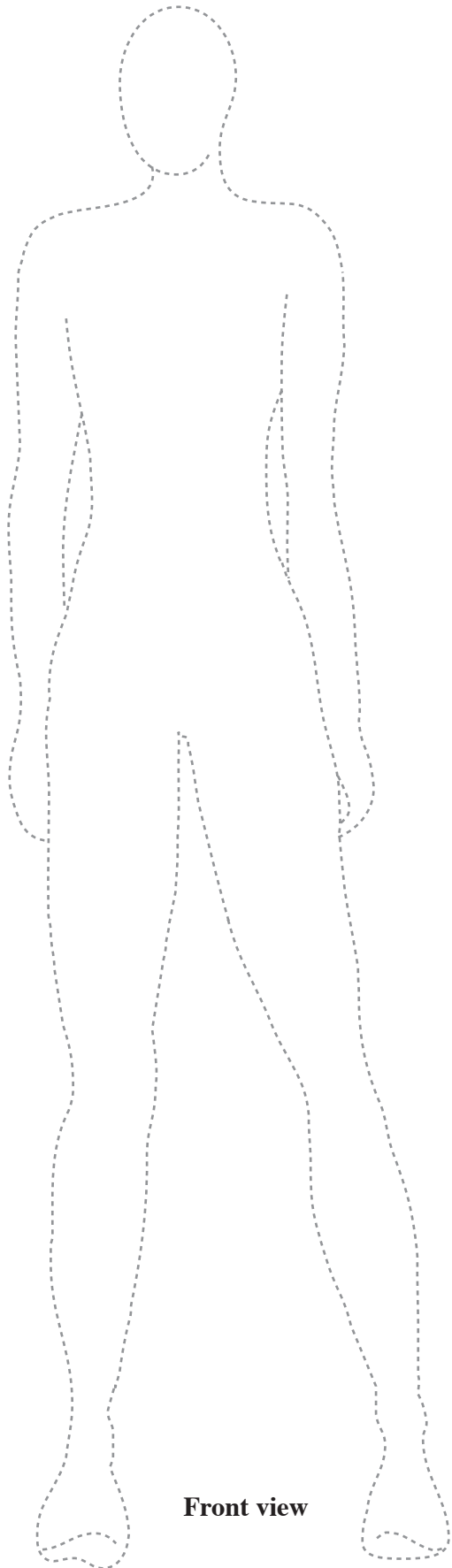
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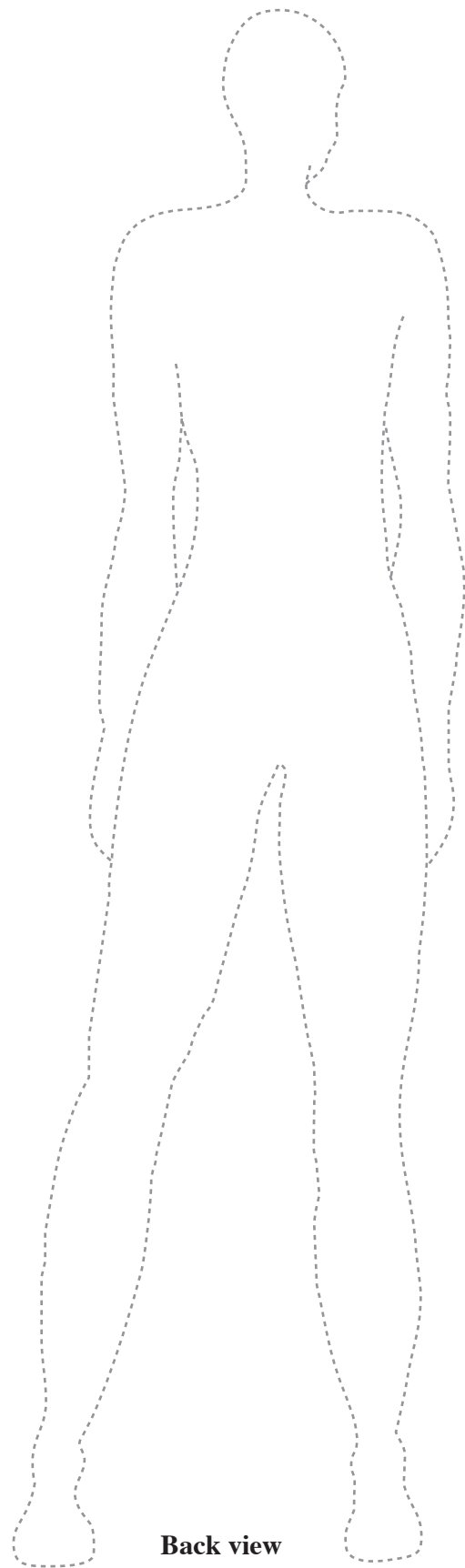
(c) **Explain** how your design is influenced by the skate boarding theme. [2]

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Front view



Back view

